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August 16, 1961

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Dear Sirs:

Enclosed are four copies of the minutes of the meeting held at on August 11, 1961.

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Sincerely yours,

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Enclosures - 4

"NOTE: THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE MEANING OF THE ESPIONAGE LAWS, ACT 25 JUNE 1948 (PUBLIC LAW 772 - 80TH CONG; 18 U.S.C. 7-3 AND 794; 62 STAT. 683). THE TRANSMISSION OR THE REVELATION OF ITS CONTENTS IN ANY MANNER TO AN UNAUTHORIZED PERSON IS PROHIBITED BY LAW"

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Minutes of the Meeting with the Washington Customer
 [redacted] on August 11, 1961

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Those present were:

Customer: Nick G.

[redacted] Hil T.
 Len B.
 Mort W.

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The latest engineering model of the HRT-2 was examined in detail. Various tuning indicator methods were viewed on an engineering prototype model. A comparison of two neon bulbs to two incandescent bulbs was made. Both methods tended to be confusing and did not clearly indicate peak tuning. An r-f current monitoring meter was also mounted on the unit and was shown to clearly indicate a peak which was within 1 db of the peak indicated by an oscilloscope connected to the output. Tuning procedure was greatly simplified by using the meter in that both the output coil and the loading capacitor were tuned for peak meter reading regardless of the type of antenna. It was decided to use the meter indicator.

The customer requested that the oscillator tuning core be made accessible from the outside of the case so that the meter can be used to tune the entire transmitter when the frequency is changed. The customer requested that a pilot light be added to illuminate the meter. The pilot light will have a cover and a red filter. It is desirable that the light not operate at voltages below the supply end point. The customer was informed that addition of the light would possibly delay delivery of the first two prototypes and the 10 + 15 production units due to rework required. The customer was to be informed of the extent of the delay by phone on August 16 at which time the delivery date of the two units would be determined. August 21 was the tentative date before the changes were requested.

The customer brought in a propane powered thermo-electric generator designed for the HRT-2. The generator was ignited and d.c. power output measured at about 15 watts with an optimum load. This corresponded to about 8 watts of output power from the transmitter drawing 1.25 amps at 13 volts. The customer left the generator for further investigation and testing by [redacted]. The customer indicated that a supply voltage-power output curve on a typical HRT-2 would be desirable to enable better design of alternate power supplies.

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The customer requested that a fairly accurate price be determined for the unit as soon as possible.

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